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(71) Applicant (for all designated States except US): **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford Middlesex UB6 0NN (GB).

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(75) Inventors/Applicants (for US only): **KONIECZNA**, Malgorzata [PL/PL]; GlaxoSmithKline Pharmaceuticals, Ul. Grunwaldzka 189, PL-60-322 Poznan (PL). **KROHN, Helner** [DE/DE]; GlaxoSmithKline GmbH & Co. KG, GlaxoSmithKline Group, Industriestrasse 32-36, 23843 Bad Oldesloe (DE). **ROMAN, Wanda** [PL/PL]; GlaxoSmithKline Pharmaceuticals, Ul. Grunwaldzka 189, PL-60-322 Poznan (PL). **SCHLEHAHN, Hendrik** [DE/DE]; GlaxoSmithKline GmbH & Co. KG, GlaxoSmithKline Group, Industriestrasse 32-36, 23843 Bad Oldesloe (DE). **STROZYK, Malgorzata, Anna** [PL/PL]; GlaxoSmithKline Pharmaceuticals, Ul. Grunwaldzka 189, PL-60-322 Poznan (PL).

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(54) Title: **PHARMACEUTICAL FORMULATION**

(57) Abstract: There is provided a stable pharmaceutical formulation comprising (a) an effective amount of levothyroxine sodium, (b) microcrystalline cellulose which has a mean particle size of less than 125µm and is present in an amount of 60 to 85% w/w based upon the total weight of the formulation, and (c) pregelatinised starch present in an amount of 5 to 30% w/w based upon total weight of the formulation. There is also provided a process for the preparation of such a formulation.

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(54) Title: **PHARMACEUTICAL FORMULATION COMPRISING LEVOTHYROXINE SODIUM**

(57) Abstract: There is provided a stable pharmaceutical formulation comprising (a) an effective amount of levothyroxine sodium, (b) microcrystalline cellulose which has a mean particle size of less than 125µm and is present in an amount of 60 to 85% w/w based upon the total weight of the formulation, and (c) pregelatinised starch present in an amount of 5 to 30% w/w based upon total weight of the formulation. There is also provided a process for the preparation of such a formulation.



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